PS-LX500/500C



PS-LX500: US Model Canadian Model AEP Model UK Model E Model PS-LX500C: US Model Canadian Model

The PS-LX500 (AEP, UK, E Model) is supplied with a VX-250G cartridge, while the PS-LX500 (US, Canadian Model) is not supplied with a cartridge. The PS-LX500C is supplied with a VL-45G cartridge.

STEREO TURNTABLE SYSTEM

SPECIFICATIONS

Turntable

Platter

30 cm (12 in.), aluminum-alloy diecast

Motor

Linear torque BSL (brushless and slotless)

motor

Drive system

Direct drive

Control system

FG servo control system

Speed

33¹/₃ rpm, 45 rpm

Wow and flutter

0.03% (WRMS)*, 0.035% (WRMS)

Signal-to-noise ratio

75 dB (DIN-B)

Automatic system

Lead-in, return, reject, repeat, arm up/down,

record size selection

Tonearm

Type

Linear tracking tonearm

Pivot-to-stylus length 75 mm (3 in.)

±0.1° Tracking error

Tracking force adjustment range ±0.25 g Usable cartridge plug-in type, 6 g

Cartridge VL-45G (supplied only with the PS-LX500C)

Moving magnet type Type

Frequency response 10 Hz to 20 kHz

Output voltage

3.5 mV at 1 kHz, 5 cm/sec., 45°

Load impedance

47-100 kilohms

Tracking force

1 to 1.5 g (1.25 g recommended)

Stylus

Sony ND-145G

Weight

SAFETY-RELATED COMPONENT WARNING!!



COMPONENTS IDENTIFIED BY SHADING AND MARK $\hat{\mathbb{M}}$ on the schematic diagrams and in the PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Cartridge XL-250G (supplied only with AEP, UK, E Model)

Type Frequency response

Moving magnet type 10 Hz to 20 kHz 23 dB at 1 kHz

Channel separation Output voltage

5 mV at 1 kHz, 5 cm/sec., 45°

Load impedance

50 to 100 kilohms

Tracking force

1 to 1.5 g (1.25 g recommended)

Stylus Weight Sony ND-250G

6 a

- Continued on page 2 -

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE / SUR LES DIAGRAMMES SCHÉ-MATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REM-PLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.



PS-LX500/500C

General

Power requirements 120 V ac, 60 Hz

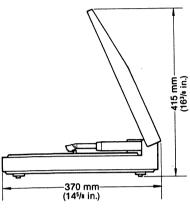
Power consumption 10 W

Dimensions Approx. 430 × 89 × 364 mm (w/h/d)

 $(16^7/8 \times 3^1/2 \times 14^3/8 \text{ in.})$

including projecting parts and controls

With the dust cover opened



Weight

Approx. 5 kg (11 lbs), net

Approx. 6.1 kg (13 lbs 7 oz), in shipping

carton

FEATURES

Linear tracking tonearm

A linear tracking tonearm is designed to duplicate the movement of the head which cuts the record master.

Compared with a pivoted tonearm, a linear tracking arm has a very small tracking error (which means greatly reduced harmonic distortion) and almost no pressure on the inside wall of the groove (which means improved tracking ability and channel separation).

Front panel operation with the dust cover closed

The ARM TRANSPORT buttons allow you to move the tonearm easily over the desired point of the record with the dust cover closed. Start/stop of the record play and tonearm up/down can also be controlled using the buttons on the front panel.

Fully automatic system

The movement of the turntable and the tonearm is controlled by a microcomputer and is activated by the "feather-touch" function buttons on the front panel.

Automatic record size selection

The record size is automatically set by a photo sensor system. If no record is on the turntable, the tonearm will not descend but will automatically return to the arm rest.

Muting system

A muting system activates when the tonearm is lifted and is deactivated after the tonearm lowers onto a record so there is no need to turn the amplifier volume down every time a stylus is placed on a record.

Linear torque BSL motor

Direct drive system with Sony's unique BSL (brushless and slotless) motor which has an extremely low noise level and whose smoothness virtually eliminates wow and flutter. Its high torque assures a quick start to 331/3 rpm after only a half revolution.

Synchronized operation with the Sony cassette decks

When the tonearm lowers onto the lead-in groove of a record, the cassette deck standby mode is released and the record mode assumed. When play finishes, the cassette deck is automatically set first in the record muting mode, then in the pause mode. This synchronized operation is possible with Sony cassette decks equipped with a four-pin remote control jack which is connected with the Sony RM-65 synchro remote control unit.

Wireless remote control operation

Using the optional RM-44 system remote controller, start/stop play and tonearm up/down can be remotely controlled.

^{*} This new measuring method concerns only the turntable assembly, including the platter. It excludes wow and flutter caused by the tonearm, the cartridge, or the record. Measured by obtaining signal from magnetic pick-up head.

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SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

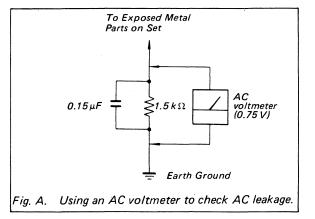
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

- 1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

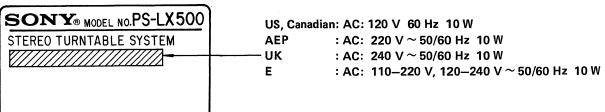
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



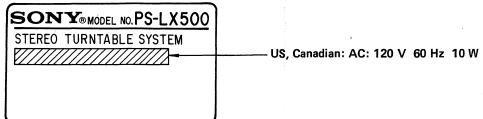
MODEL IDENTIFICATION

- Specification Label -

PS-LX500

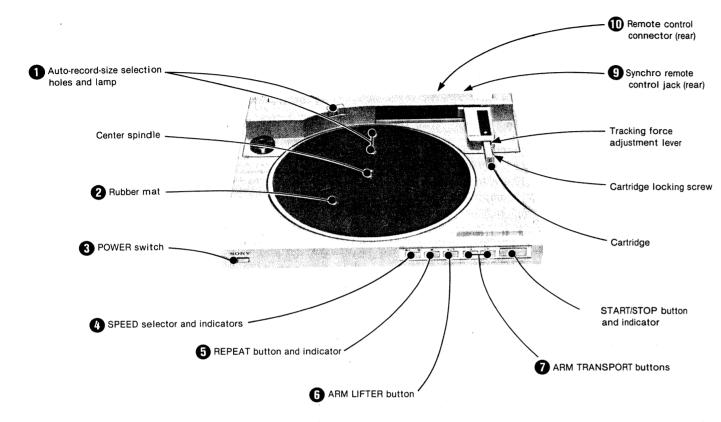


PS-LX500C



LOCATION AND FUNCTION OF CONTROLS

The photo below shows the assembled PS-LX500C turntable.



Auto-record-size selection holes and lamp

Record size is automatically selected by a beam transmitted from a lamp through the holes on the rubber mat and the platter to the When the tonearm is on the arm rest, it cannot be lifted up with this photo detectors underneath the platter. When no record is on the button. platter, the tonearm will not lower onto the turntable.

Place the rubber mat so that the holes for auto-record-size selection on the rubber mat and on the platter are matched correctly.

POWER switch

Press to turn on the turntable. To turn the turntable off, press it again.

SPEED selector and indicators

Selects the record speed. When the POWER switch is turned on, the speed is always 331/3 rpm and the indicator on the right illuminates. When the selector is pressed, 45 rpm is selected and the indicator on the left illuminates.

6 REPEAT button and indicator

Press this button to repeat play. The indicator illuminates and repeat play continues until this button is pressed to stop it. If the START/STOP button is pressed during repeat play, the tonearm returns to the arm rest and the turntable stops rotating.

ARM LIFTER button

This button lifts and lowers the tonearm.

10 ARM TRANSPORT buttons

To move the tonearm inwards, press the ■ button. To move it outwards, press the button. The tonearm is raised automatically and continues to move while the button is depressed. The tonearm will stop when the button is released. For fine adjustment of the tonearm drop-point over a record, press and immediately release the appropriate button. This button is useful for beginning a record partway through, or for skipping to another selection.

START/STOP button and indicator

Press this button to start the record playing, and the indicator illuminates. To stop during play, press it again.

Synchro remote control jack (rear)

Synchronized recording from disc to tape is possible on specified Sony cassette decks by using the optional RM-65 synchro remote control unit.

Remote control conector (rear)

Connect the remote control cord supplied with the RM-44 system remote controller (optional) to this connector.

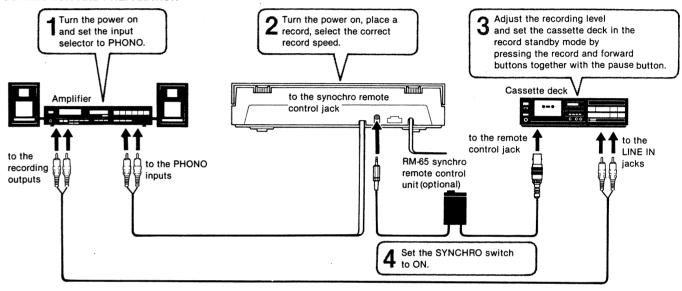
SYNCHRONIZED PLAY OF THE TURNTABLE AND A CASSETTE DECK

----with an RM-65 synchro remote control unit connected

Record recording starts only when the START/STOP button is pressed. When the tonearm lowers onto the record, the cassette deck goes into the record mode and when the tonearm is lifted up. the deck goes into the auto record muting mode for four seconds, then into the pause mode.

Cassette decks which can be used with your turntable for this special synchronized operation are those Sony models which are equipped with a 4-pin remote control jack. An RM-65 synchro remote control unit (optional) is required to connect the turntable and the cassette deck.

CONNECTION AND PREPARATION

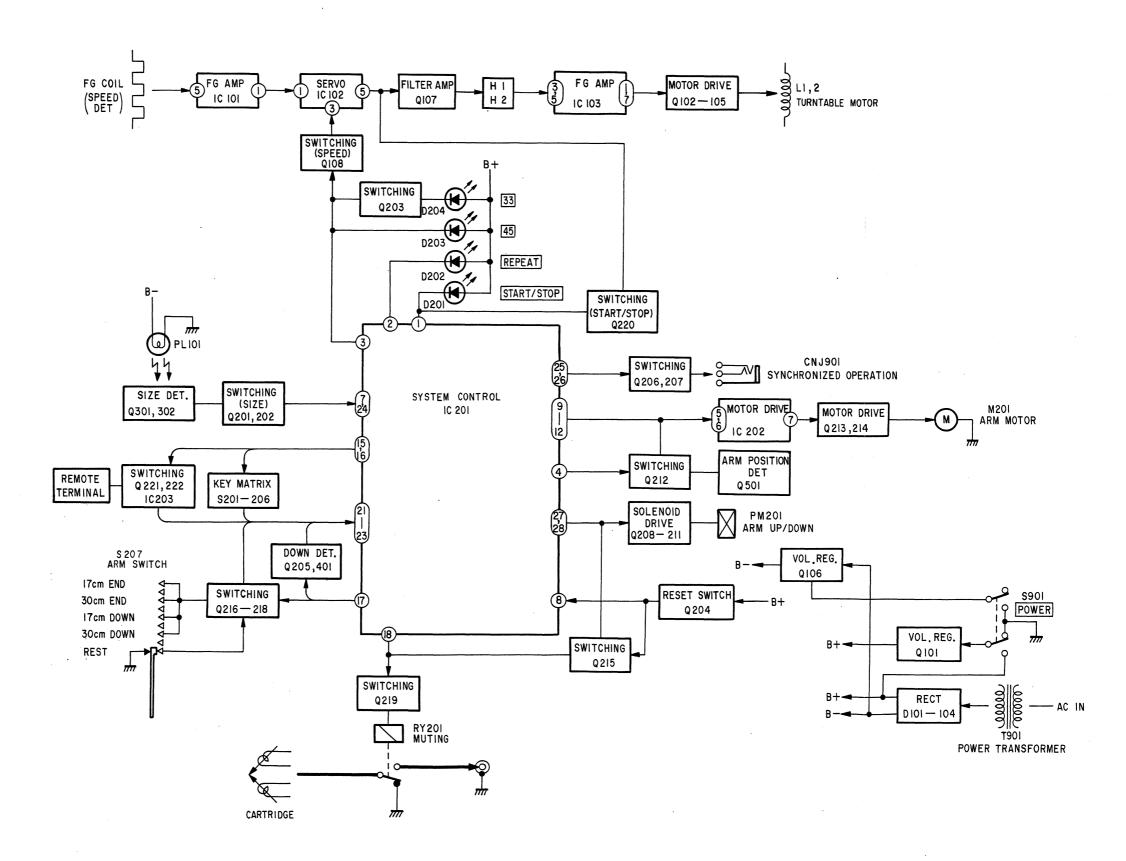


RECORDING

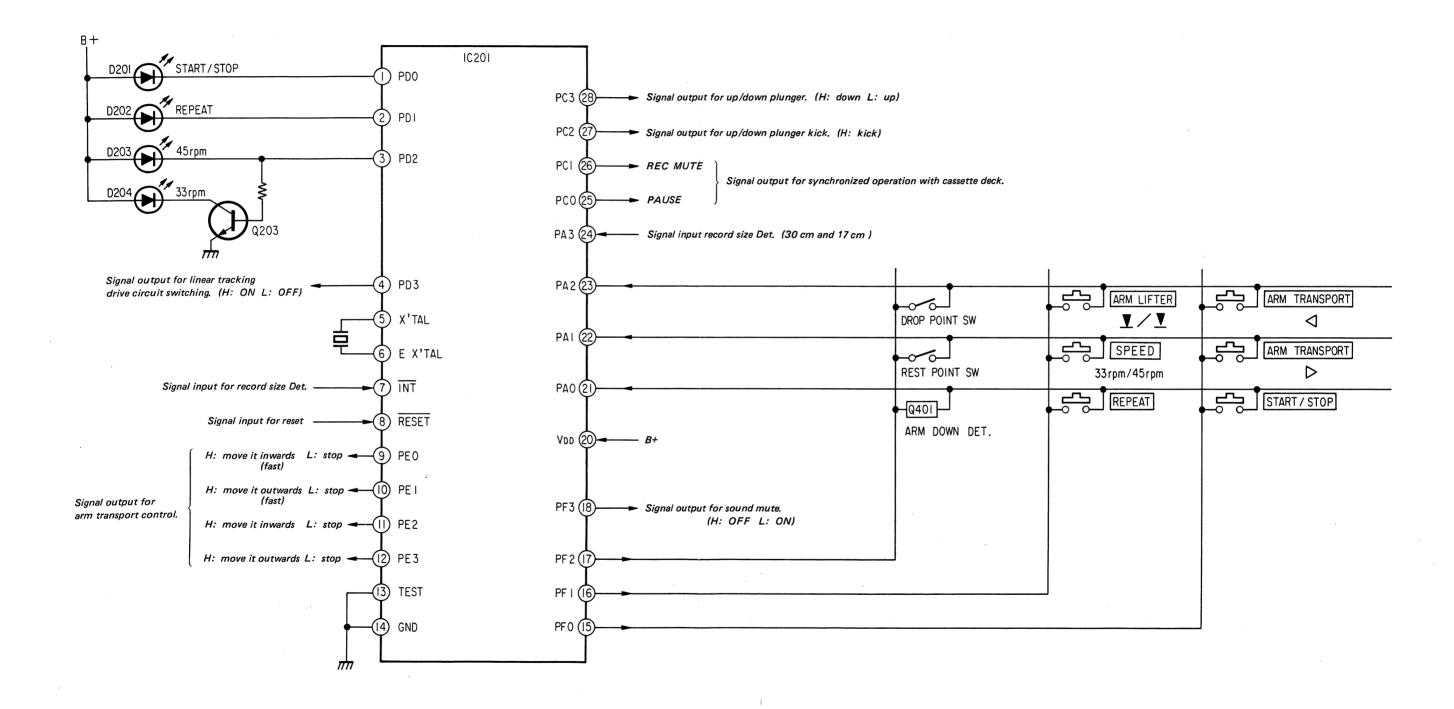
Desired action	Turntable operation	Synchronized operation of the cassette deck			
To record from the beginning of a record	Press the START/STOP button.	When the tonearm lowers onto the record, the pause mode is released and recording begins.			
To lift up the tonearm to move to a different point on a record	Press the ARM TRANSPORT buttons.	When the tonearm is lifted up, auto record muting activates for four seconds, then the pause mode is assumed.			
To record from a point some way in the record	Move the tonearm to the desired point and press the START/STOP button.	When the tonearm lowers onto the record, the pause mode is released and recording begins.			
To stop recording during record play	Press the START/STOP button.	When the tonearm is lifted up, auto record muting activates for four seconds, then the pause mode is assumed.			
When record play ends	The tonearm returns automatically to the arm rest.	When the tonearm is lifted up, auto record muting activates for four seconds, then the pause mode is assumed.			

Note: Be sure to set the SYNCHRO switch of the RM-65 to OFF when you do not want to use the synchronized play function.

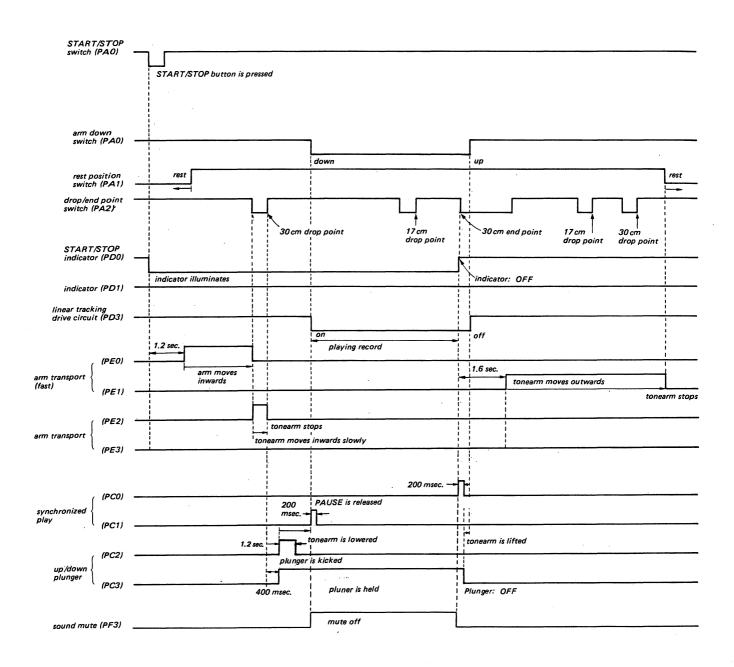
1-1. BLOCK DIAGRAM



1-2. IC201's (SYSTEM CONTROL IC LM6416E-179) TERMINAL FUNCTIONS



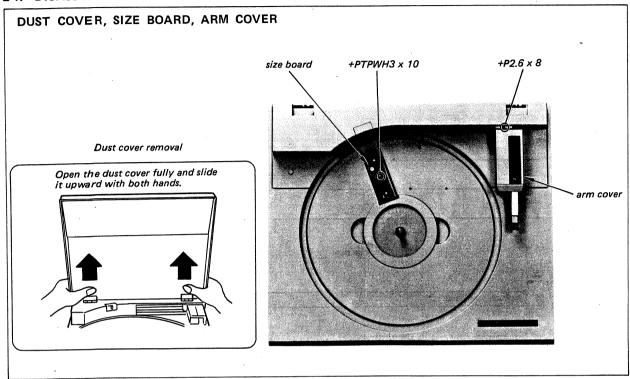
1-3. TIMING CHART (30 cm RECORD AUTO PLAY MODE)

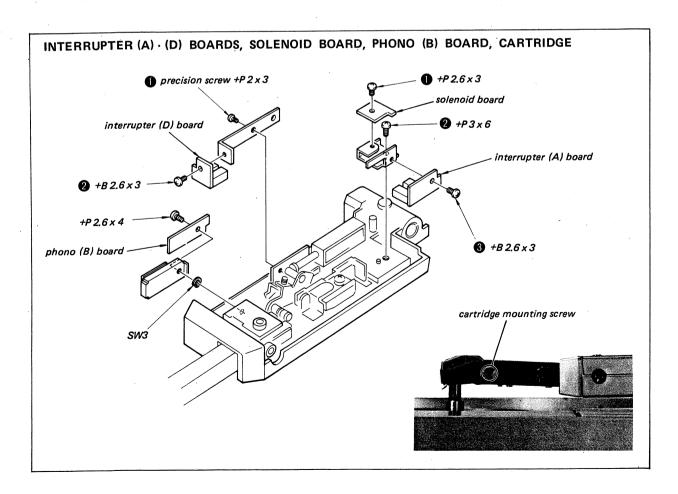


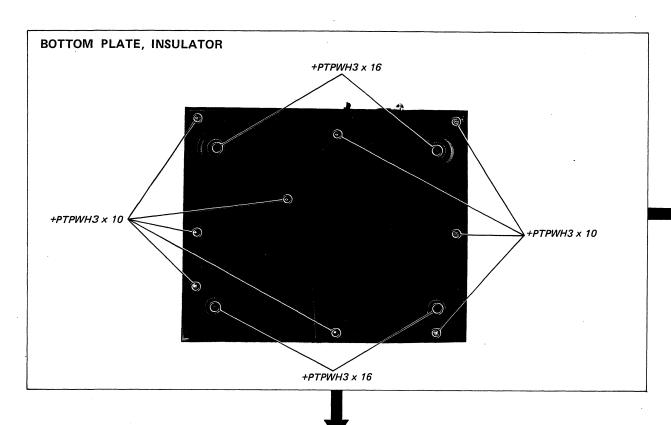
SECTION 2 DISASSEMBLY

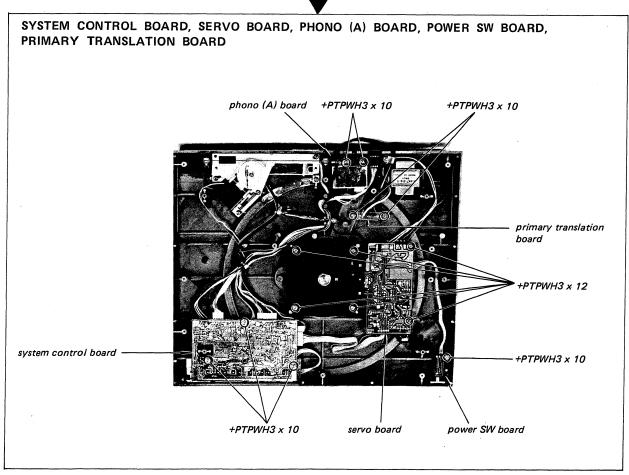
2-1. DISASSEMBLY

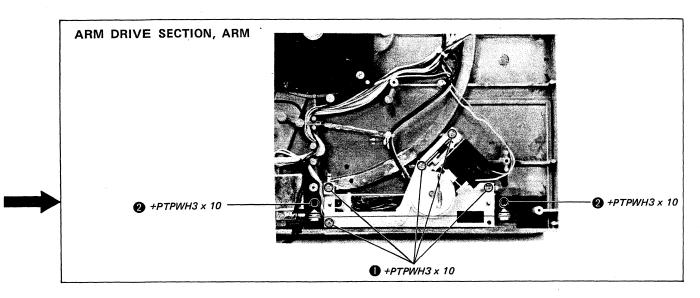
Note: Follow the disassembly procedure in the numerical order given.

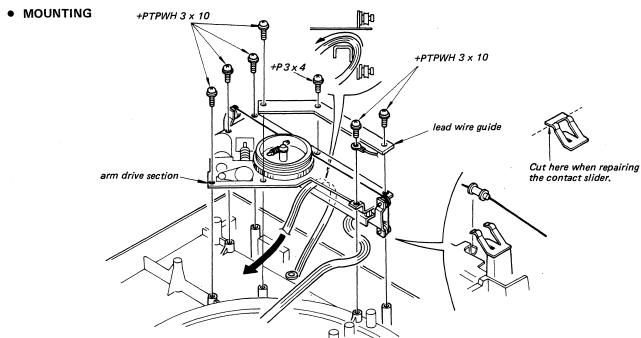




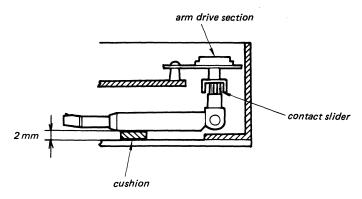






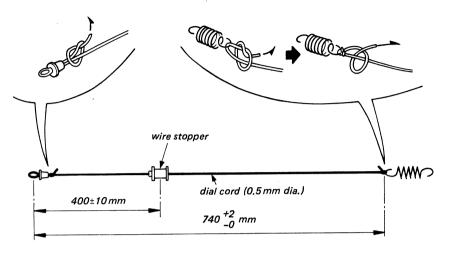


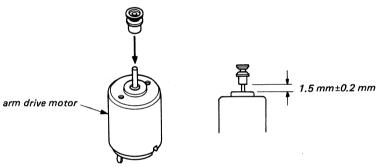
 When removing and installing the arm drive section, be careful not to bend the contact slider of the arm by touching it.



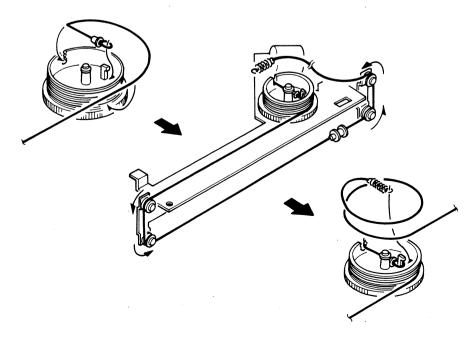
ARM DRIVE CORD STRINGING

Preparation



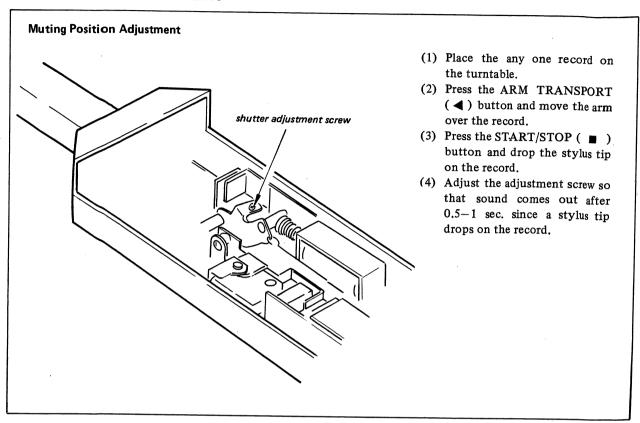


Stringing



SECTION 3 ADJUSTMENTS

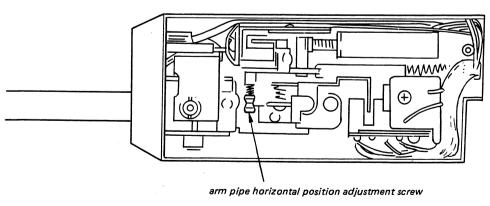
3-1. MECHANICAL ADJUSTMENTS



Drop Point Adjustment

- (1) Place a test record (YFSC-16) on the turntable and press the START/STOP button for lead-in.
- (2) Adjust the horizontal position adjustment screw so that the drop point at this time is within the specification.

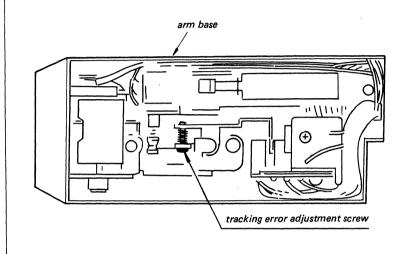
Specification: 8-15 counts



count decreases when turned to the right count increases when turned to the left

Tracking Error Adjustment

- (1) Place a test record (YFSC-16) on the turntable and press the START/STOP button for lead-in.
- (2) Just after the arm goes down, adjust with the adjustment screw so that the arm base does not
- (3) After completing step (2), cause the arm to lead in, and then go UP after the arm base moves.
- (4) Check the count at that time, and then check that the difference in count when the arm goes down again is within 5 counts.

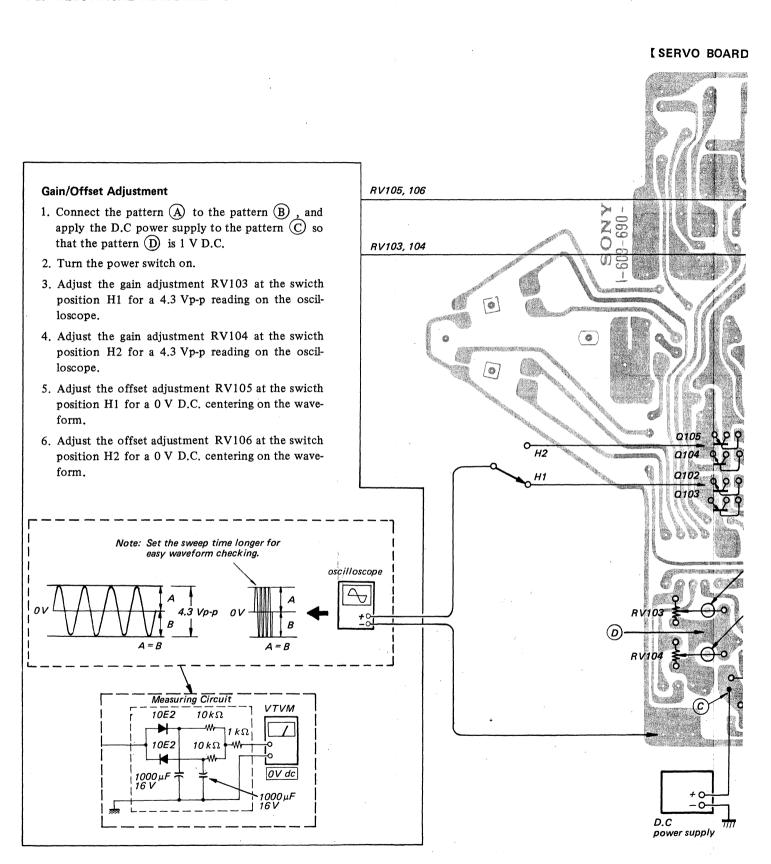


- Adjustment Direction -

For (2) when the arm base moves, turn to the right.

For (4) when the difference in count is too large, turn to the left.

3-2. ELECTRICAL ADJUSTMENTS



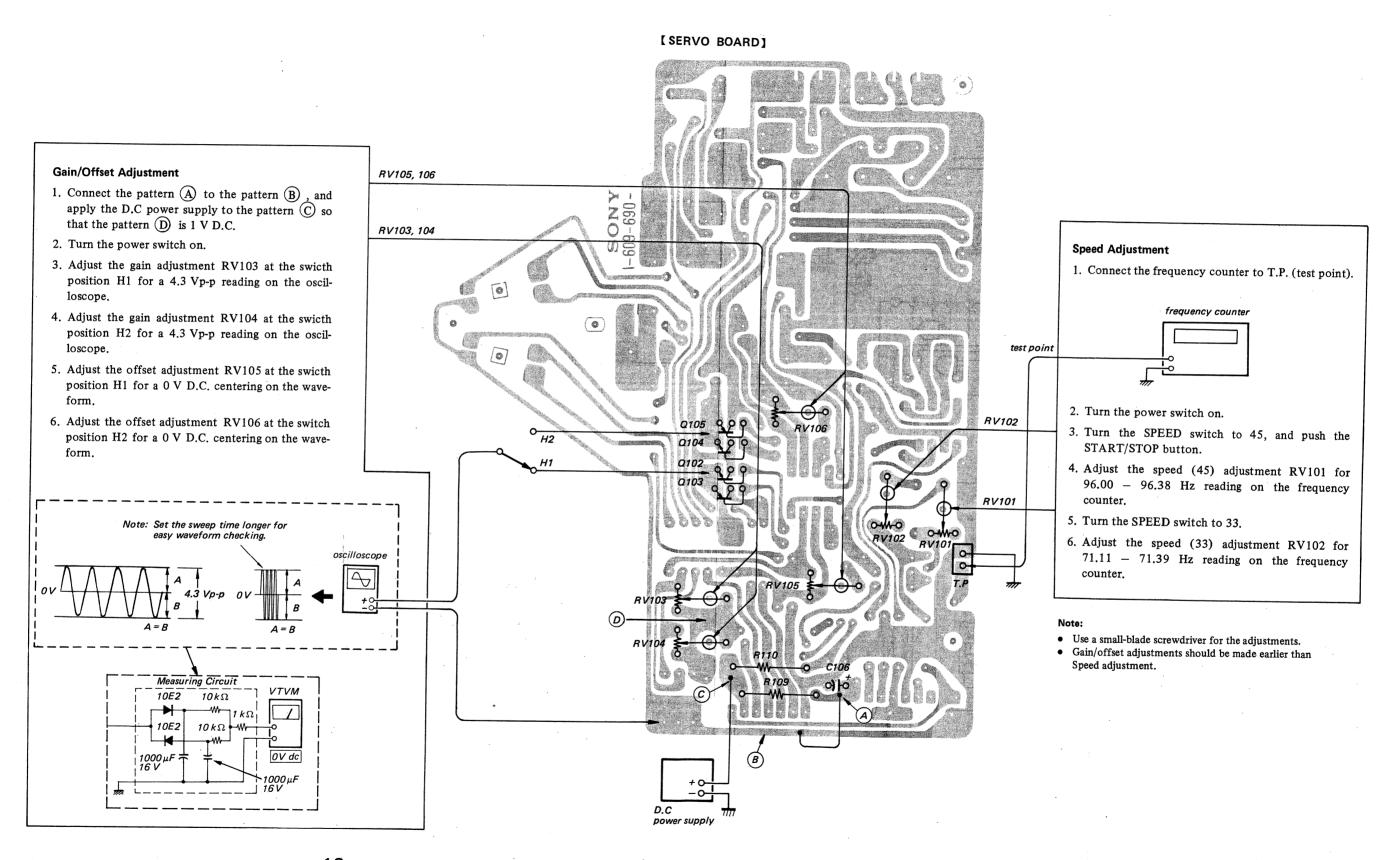
lead

heck goes

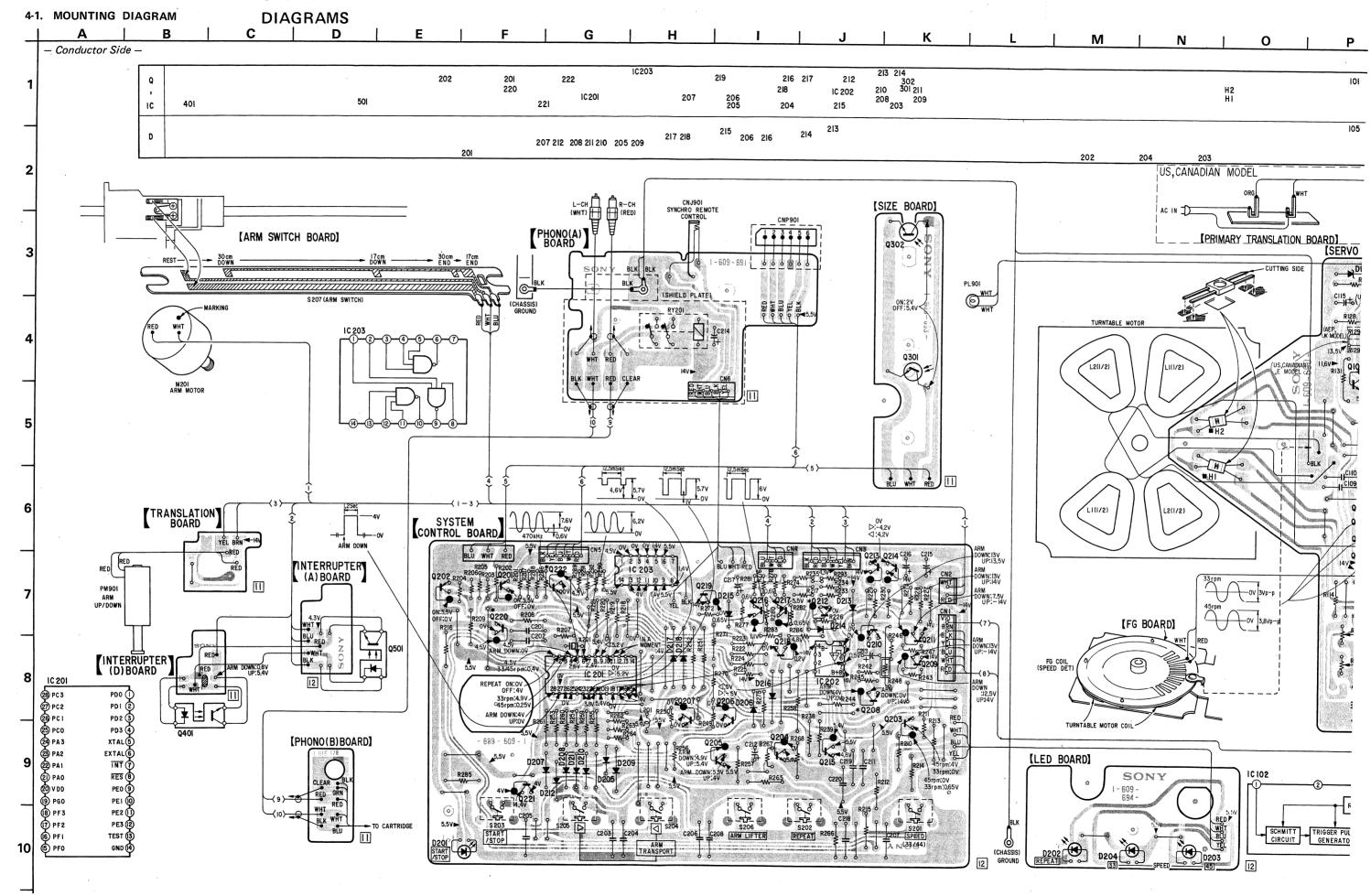
urn to

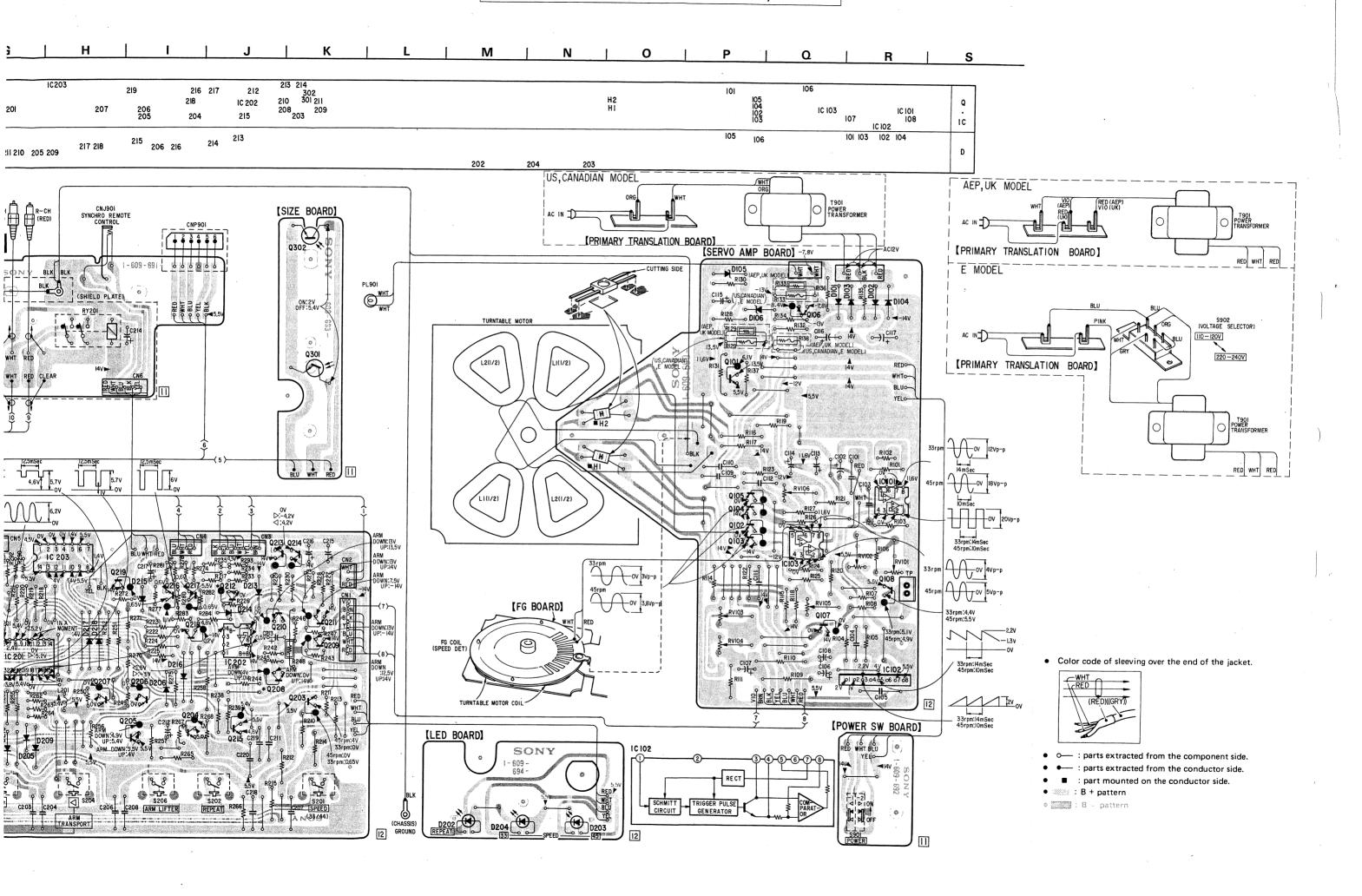
unt is

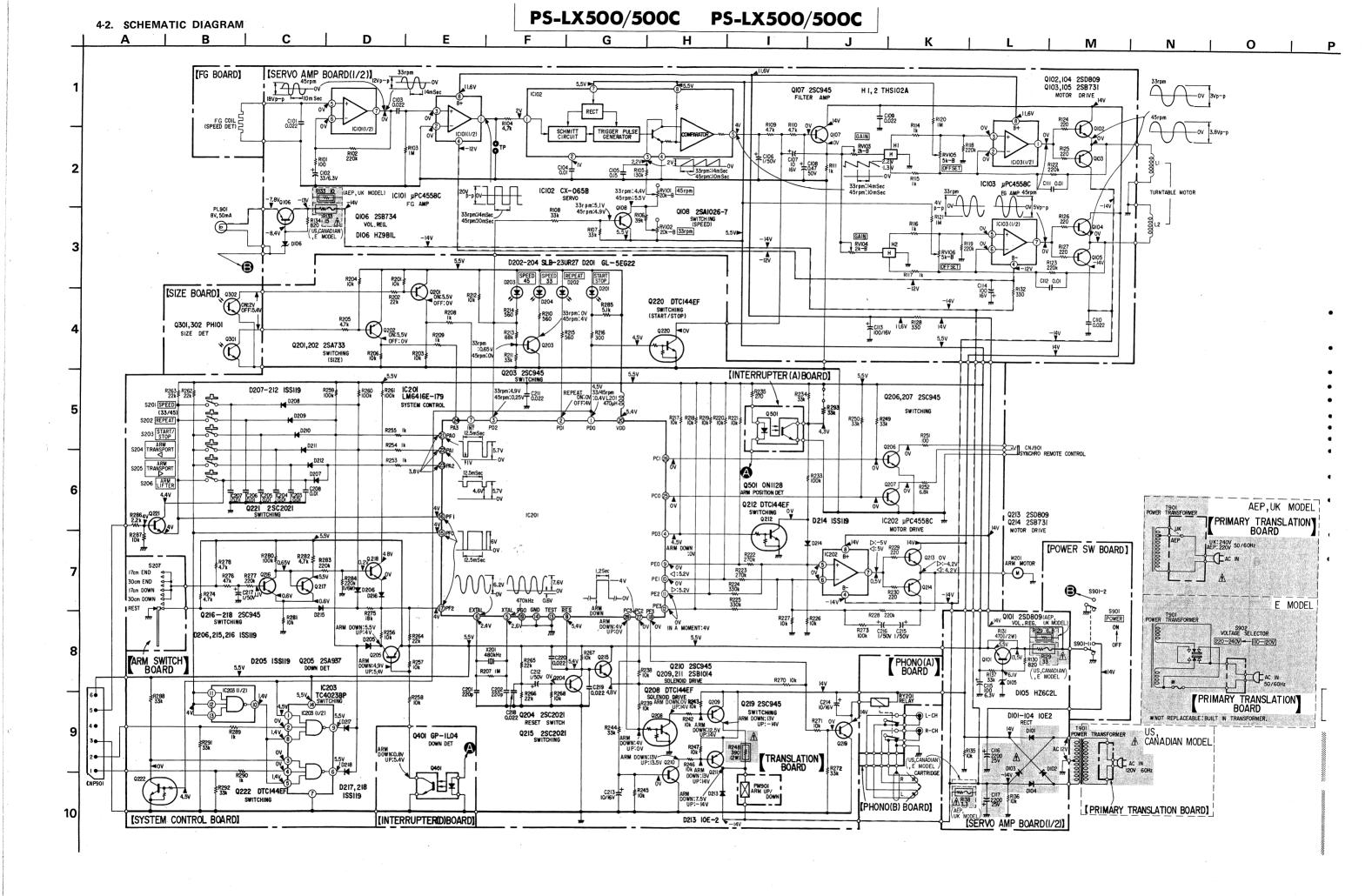
3-2. ELECTRICAL ADJUSTMENTS

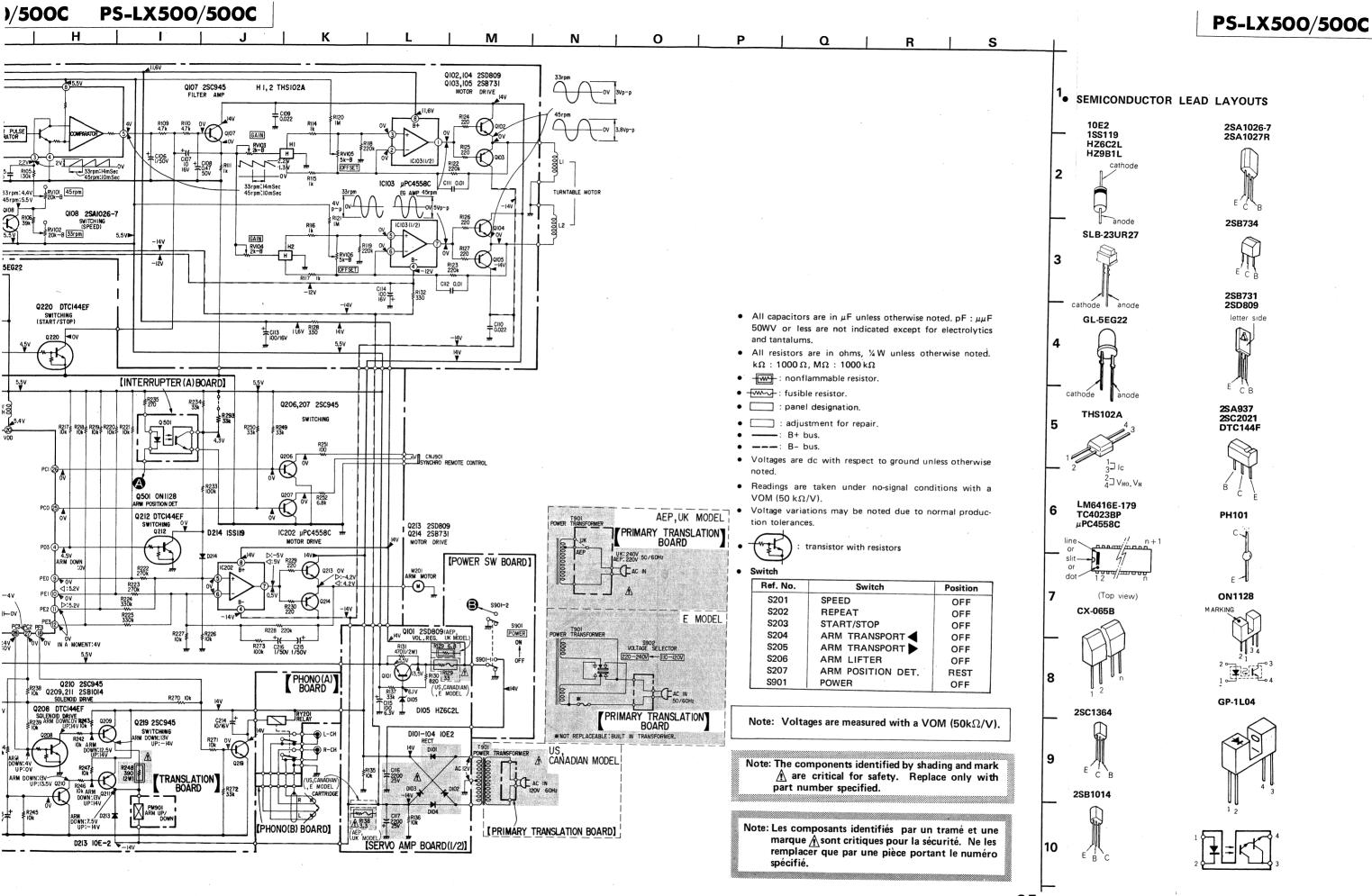


SECTION 4

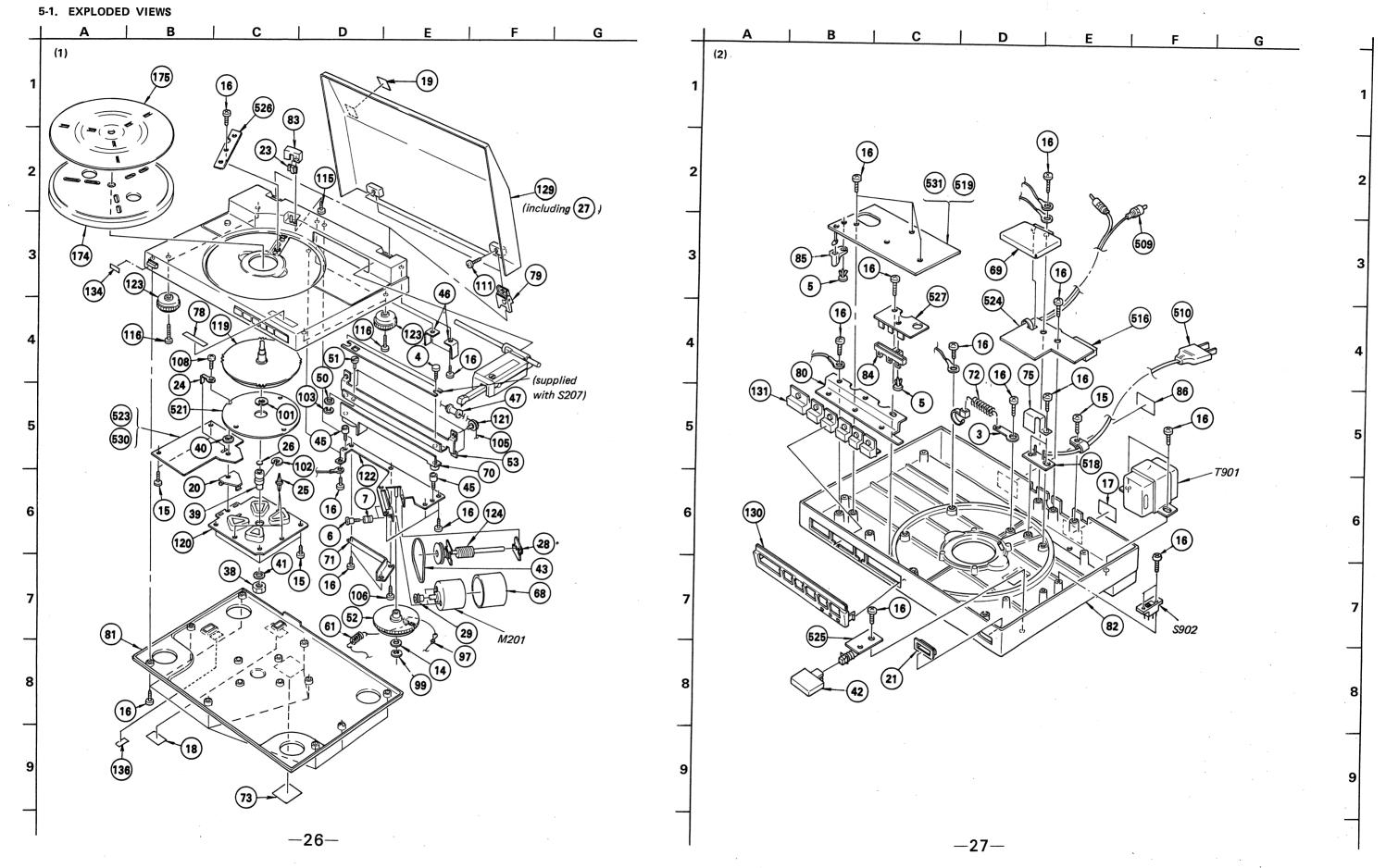


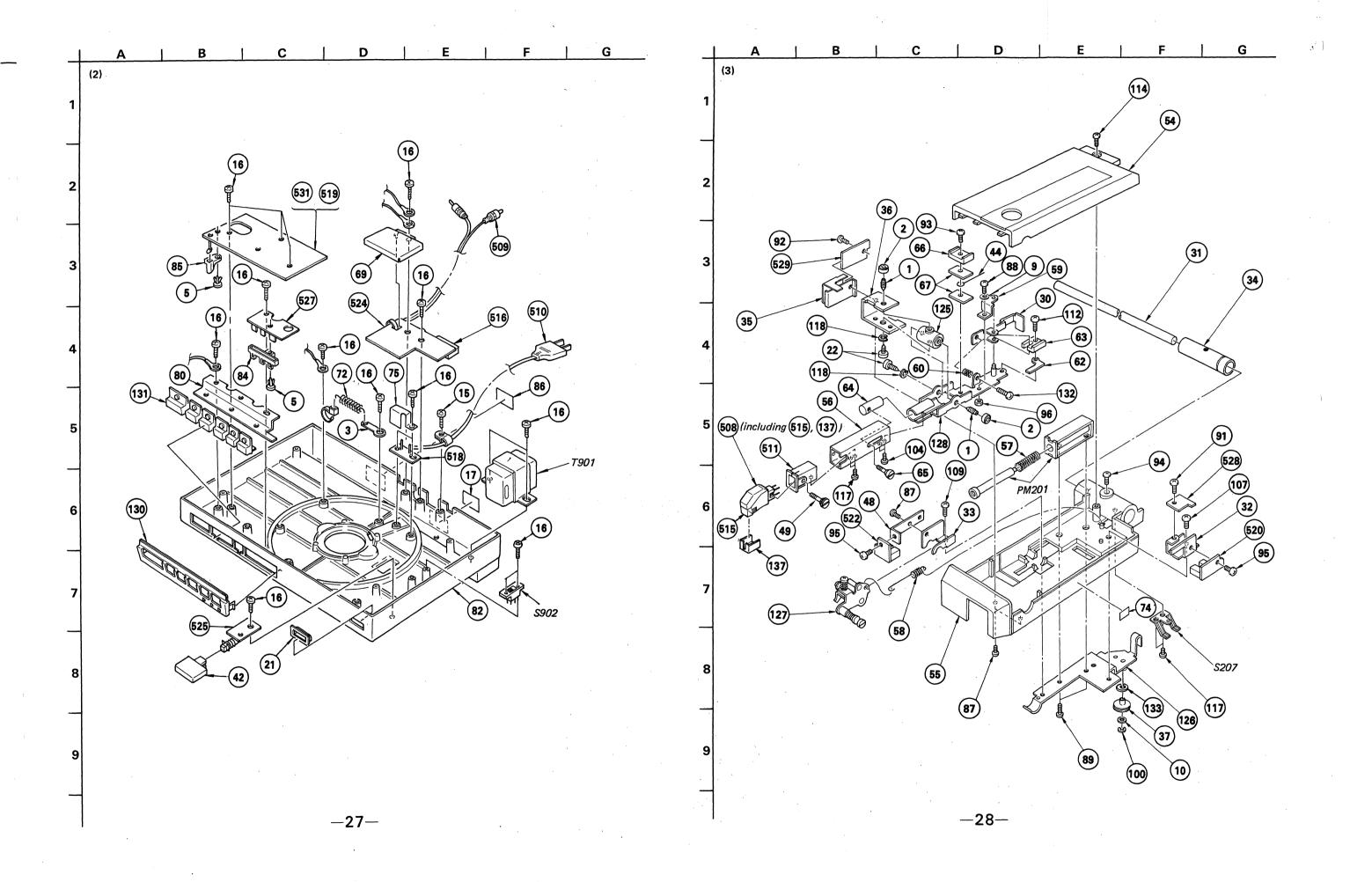






SECTION 5
EXPLODED VIEWS AND PARTS LIST





5-2. PARTS LIST

GENERAL SECTION

No.	Part No.	Description	No. Part No.	Description
1 2 3	2-203-518-61 2-203-519-00 3-460-077-00	SCREW, PIVOT NUT (A), LOCK, PIVOT CLAMP, WIRE	46 \(\) ;4-885-742-00 47 4-885-744-00 48 \(\) ;4-885-745-00	STOPPER, WIRE
4 • 5 6	;3-465-048-00 3-531-576-31 3-570-027-00	SHAFT RIVET (DIA. 3), NYLON SCREW, MOTOR	49 4-885-746-00 50 4-885-747-00 51 4-885-748-00	SCREW, FITTING, CARTRIDGE WASHER (H) PIN, ADJUSTMENT
7 8 9	3-570-118-00 3-618-189-00 3-701-437-21	CUSHION, MOTOR RING, RETAINING WASHER	52 4-885-749-00 53 4; 4-885-750-00 54 4-885-753-02	WHEEL, WORM GUIDE, ROLLER COVER, ARM
10 11 12	3-701-439-11 3-701-439-21 3-701-441-01	WASHER WASHER WASHER	55 4-885-755-00 56 4-885-760-02 57 4-885-761-00	PIPE, ARM
13 14 15 16	3-701-441-11 3-701-441-21 3-703-136-00 3-703-137-00	WASHER WASHER SCREW +PTPWH 3X12 SCREW +PTPWH 3X10	59 4;4-885-765-00	SPRING, TENSION RETAINER, WIRE SPRING, COMPRESSION
	;3-703-043-21 ;3-703-677-00	(Canadian,UK)LABEL, CAUTION, MAIN (US)LABEL, CAUTION, MAIN, NEW UL	61 4-885-767-00 62 4-885-768-00 63 4-885-769-00	
18 • 19 20	;3-703-680-00 3-703-705-01 4-857-642-00	(US)LABEL, CAUTION, SUB, NEW UL STICKER, SONY SYMBOL (30) HOLDER, PC BOARD	64 4-885-770-00 65 4-885-771-00 66 4-885-773-00	
21 22 23	4-875-501-00 4-877-816-00 4-879-741-00	GUIDE, POWER KNOB SHAFT, PIVOT WINDOW, LAMP	67 4-885-774-00 68 4-885-775-00 69 4;4-885-776-00	
24 a 25 26	;4-881-629-00 4-881-636-11 4-885-135-00	PLATE (A), GROUND SUPPORT (TMD), PC RETAINER, THRUST	71 4; 4-885-787-00	ESCUTCHEON, ROLLER GUIDE GUIDE, LEAD WIRE SPRING, TENSION
27 28 29	4-885-183-00 4-885-703-00 4-885-704-03	CUSHION (D) GUIDE, WORM SHAFT PULLEY, MOTOR	74 4 ;4-885-792-00 75 4 ;4-885-798-00	LABEL, CAUTION, ARM FITTING PLUG IN SEAL (A) COVER, POWER
30 31 32 •	4-885-707-00 4-885-709-00 ;4-885-710-00	PLATE, ADJUSTMENT BAR, GUIDE BRACKET, PHOTO	77	LABEL (B), PANEL
34	;4-885-712-00 4-885-717-00 ;4-885-718-00	RETAINER, PUSH ROD SLIDER PLATE, SHIELD		RETAINER, BUTTON, CONTROL (AEP,UK)PLATE, BOTTOM
	;4-885-721-00 4-886-714-00 4-885-723-00		81 6 ;4-887-410-11 81 6 ;4-887-410-21 82 6 ;4-887-411-00	(US,Canadian)PLATE, BOTTOM (E)PLATE, BOTTOM
39 40 41	4-885-724-00 4-885-727-00 4-885-728-03	BEARING SPACER PACKING	82 4 ;4-887-411-11 83 4-887-412-00 84 4 ;4-887-414-00	(AEP,UK,E)FRAME HOLDER, LAMP HOLDER (A). LED
42 43 44 45	4-885-734-00 4-885-735-00 4-885-737-00 4-885-741-00	BELT, DRIVING WIRE	85 •;4-887-415-00 86 4-887-417-00 86 4-887-418-00 86 4-887-419-00 86 4-887-427-00	(AEP)LABEL, MODEL NUMBER (AEP1) (UK)LABEL, MODEL NUMBER (UK) (US,Canadian)LABEL, MODEL NUMBER (U,CND) (E)LABEL, MODEL NUMBER (E1,E2,PX1) (G-AEP)LABEL, MODEL NUMBER
NOTE:	with no part r	CAPACITORS:		

GENERAL SECTION

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " " are not stocked since they are seldom required for routine service. Some delay should be antici-pated when ordering these items.
- Due to standardization, parts with part numbers $(\Delta-\Delta\Delta\Delta-\Delta\Delta\Delta-XX$ or $\Delta-\Delta\Delta\Delta\Delta-\Delta\Delta\Delta-X)$ may be different from those used in the set.

CAPACITORS:

MF:μF, PF:μμF.

RESISTORS

- · All resistors are in ohms.
- F : nonflammable

COILS

· ММН : mH, UH : µН

SEMICONDUCTORS

In each case, U : μ, for example: UA···: μΑ···, UPA···: μΡΑ···, UPC···: μΡC, UPD···: µPD···

GENERAL SECTION

No.	Part No.	Description
87	7-621-255-12	SCREW +P 2X3
88	7-621-255-25	SCREW +P 2X4
89	7-621-255-35	SCREW +P 2X5
90	7-621-255-45	SCREW +P 2X6
91	7-621-259-15	SCREW +P 2.6X3
92	7-621-259-25	SCREW +P 2.6X4
93	7-621-259-55	SCREW +P 2.6X8
94	7-621-770-87	SCREW +B 2.6X5
95	7-621-775-00	SCREW +B 2.6X3
96 97 98 99 100	7-622-205-05 7-623-616-01 7-624-102-04 7-624-106-04 7-624-133-04	N 2, TYPE 2 EYELET, 2X3 STOP RING 1.5, TYPE -E STOP RING 3.0, TYPE -E STOP RING 3, TYPE-CE
101	7-624-133-24	STOP RING 7, TYPE-CE
102	7-624-133-94	STOP RING 15, TYPE-CE
103	7-624-190-81	STOP RING 2, TYPE-CS
104	7-627-553-37	SCREW, PRECISION +P 2X3
105	7-633-120-45	STRING, TETRON DIAL (0.5MM)
106	7-682-145-01	SCREW +P 3X4
107	7-682-147-09	SCREW +P 3X6
108	7-682-149-13	SCREW +P 3X10
109	7-682-544-09	SCREW +B 3X3
110	7-682-546-00	SCREW +B 3X5
111	7-682-547-04	SCREW +B 3X6
112	7-682-548-09	SCREW +B 3X8
113	7-685-105-24	SCREW +P 2X8 TYPE2 SLIT
114	7-685-134-24	SCREW +P 2.6X8 TYPE2 SLIT
115	7-685-135-14	SCREW +P 2.6X10 TYPE2 NON-SLIT
116	7-685-650-21	SCREW +BVTP 3X16 TYPE2 SLIT
117	7-685-799-04	SCREW +PTT 1.7X2.5
118	7-623-208-22	SW 3, TYPE 2
119	A-4608-232-A	ROTOR ASSY
120	A-4608-233-A	STATOR ASSY
121 122 123 124 125 126	X-4856-325-0 X-4885-702-3 X-4885-704-3 X-4885-710-0 X-4885-711-0 X-4885-713-0	PULLEY ASSY BRACKET ASSY, MOTOR INSULATOR ASSY WORM ASSY HOLDER ASSY, BEARING ROLLER ASSY (B), GUIDE
127	X-4885-714-1	LIFTER ASSY
128	X-4885-715-1	JOINT ASSY
129	X-4887-402-0	COVER ASSY, DUST
130	X-4887-403-0	PANEL ASSY, SUB
131	X-4887-404-0	BUTTON ASSY, CONTROL
132	7-621-255-55	SCREW +P 2X8
135	3-701-440-11 ;3-701-690-00 3-703-396-00 ;4-881-683-00 2-331-652-00 2-331-786-00	WASHER (UK)LABEL, MADE IN JAPAN LABEL, CAUTION (E)LABEL, VOLTAGE (AEP,UK,E)COVER, STYLUS TIP (PS-LX500C)COVER, STYLUS TIP

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
171 172 173 174	3-701-616-00 3-701-806-00 3-773-334-21 4-883-720-02	BAG, POLYETHYLENE ADAPTOR, 45, (E) (US,Canadian)MANUAL, INSTRUCTION TURNTABLE
175 175	4-883-723-01 4-883-723-11	(AEP,UK,E)SHEET, TURNTABLE (US,Canadian)SHEET, TURNTABLE
176 177 178	4-885-779-00 4-885-780-00 4-885-781-00	BOLSTER, ARM CUSHION, ARM PROTECTOR (A)
180 181 182	4-880-101-00 4-887-423-00 4-887-420-00 4-887-421-00 ;4-885-797-00	PROTECTOR (B) HOLDER, TURNTABLE CUSHION (LEFT) CUSHION (RIGHT) COVER, ARM LOCK
184 185	4-887-425-00 4-885-424-00	(PS-LX500C)INDIVIDUAL CARTON (PS-LX500)INDIVIDUAL CARTON
186 187 188 189	3-773-334-11 3-773-334-31 3-773-334-41 3-565-234-02	(AEP,UK,E)MANUAL, INSTRUCTION (Canadian)MANUAL, INSTRUCTION (AEP)MANUAL, INSTRUCTION BAG, POLYETHYLENE

ELECTRICAL PARTS

ELLOTRIONE TAKES								
Ref.No.	Part No.	Description						
502	;1-508-799-00	JACK (SYNCHRO REMOTE JACK) BASE POST (U TYPE) U TYPE BASE POST 3P						
506 ♦	;1-508-878-00 ;1-508-880-00 1-535-476-00	BASE POST, MCD CONNECTOR 6P						
508	1-549-117-00 A-4505-089-A 1-551-294-00	(PS-LX500C)CARTRIDGE (VL-45G) (AEP,UK,E)CARTRIDGE (VX-250G) CORD						
510 A 510 A	.1-551-472-00 .1-551-506-XX	(AEP)CORD, POWER (E)CORD, POWER (US,Canadian)CORD, POWER (UK)CORD, POWER						
512 ♣ 513 ♣	1-556-552-00 ;1-560-070-00 ;1-560-070-00 ;1-560-200-00	BASE POST						
515 515	A-4587-071-B 1-549-118-11	(AEP,UK,E)STYLUS TIP (PS-LX500C)STYLUS TIP						

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In each case, $U:\mu$, for example: UA···: μ A···, UPA···: μ PC, $\text{UPD}\cdots:\ \mu\text{PD}\cdots$

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ELECTRICAL PARTS

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\$16	16V 50V 50V 50V 25V 25V 25V
520 & 1-608-815-00 PC BOARD, INTERRUPTER (A) 521 & 1-608-883-00 PC BOARD, FG 522 & ;1-609-688-00 PC BOARD, INTERRUPTER (D) 523 & ;1-609-690-00 PC BOARD, SERVO 520 & ;1-609-690-00 PC BOARD, SERVO 521 & 1-61-494-00 CERAMIC 0.022MF 30% C220 1-161-494-00 CERA	25 V 25 V
522 •;1-609-688-00 PC BOARD, INTERRUPTER (D) 523 •:1-609-690-00 PC BOARD, SERVO D101 A8-719-200-02 D100E 10E-2	
524 •;1-609-691-00 PC BOARD, PHONO (A) B102 A.8-719-200-02 D10DE 10E-2 B103 A.8-719-200-02 D10DE 10E-2	
525 •;1-609-692-00 PC BOARD, POWER SW 526 •;1-609-693-00 PC BOARD, SIZE 527 •;1-609-694-00 PC BOARD, LED 528 D104 A.8-719-200-02 D10DE 10E-2 529 D105 8-719-910-68 D10DE HZ6C2L 529 D106 8-719-910-94 D10DE HZ9B1L	
528 •;1-610-177-00 PC BOARD, TRANSLATION 529 •;1-610-178-00 PC BOARD, PHONO (B) D201 8-719-907-36 DIODE GL-5EG22 D202 8-719-908-16 DIODE SLB-23UR27 D203 8-719-908-16 DIODE SLB-23UR27	
AMPLIFIER, SERVO 530 ♠;A-4619-215-A (AEP,UK)MOUNTED PCB, AMPLIFIER, SERVO 531 ♠;A-4644-143-A MOUNTED PCB, SYSTEM CONTROL D204 8-719-908-16 DIODE SLB-23UR27 D205 8-719-911-19 DIODE 1SS119 D206 8-719-911-19 DIODE 1SS119	
C101 1-161-494-00 CERAMIC 0.022MF 30% 25V C102 1-123-318-00 ELECT 33MF 20% 6.3V D207 8-719-911-19 DIODE 1SS119 C103 1-161-494-00 CERAMIC 0.022MF 30% 25V D208 8-719-911-19 DIODE 1SS119 D209 8-719-911-19 DIODE 1SS119	
C104 1-161-330-00 CERAMIC 0.01MF 30% 25V C105 1-130-885-00 FILM 0.15MF 5% 50V D210 8-719-911-19 D10DE 1SS119 C106 1-123-611-00 ELECT 1MF 20% 50V D211 8-719-911-19 D10DE 1SS119 D212 8-719-911-19 D10DE 1SS119	
C107 1-123-617-00 ELECT	
C110 1-161-494-00 CERAMIC 0.022MF 30% 25V C111 1-161-330-00 CERAMIC 0.01MF 30% 25V D216 8-719-911-19 DIODE 1SS119 C112 1-161-330-00 CERAMIC 0.01MF 30% 25V D217 8-719-911-19 DIODE 1SS119 D218 8-719-911-19 DIODE 1SS119	
C113 1-123-333-00 ELECT 100MF 20% 16V C114 1-123-333-00 ELECT 100MF 20% 16V H1 8-719-800-17 DIODE THS102A C115 1-123-661-00 ELECT 100MF 20% 6.3V H2 8-719-800-17 DIODE THS102A	
C116 A.1-123-338-00 ELECT 2200MF 20% 25V IC101 8-759-145-58 IC UPC4558C C117 A.1-123-338-00 ELECT 2200MF 20% 25V IC102 8-759-602-65 IC CX-0658 IC UPC4558C IC103 8-759-145-58 IC UPC4558C	
C202 1-161-315-00 CERAMIC 220PF 10% 50V IC201 8-759-800-58 IC LM6416E-179 C203 1-161-330-00 CERAMIC 0.01MF 30% 25V IC202 8-759-145-58 IC UPC4558C C204 1-161-330-00 CERAMIC 0.01MF 30% 25V IC203 8-759-240-23 IC TC40238P	
C205 1-161-330-00 CERAMIC 0.01MF 30% 25V L101 1-407-177-XX MICRO INDUCTOR 470UH C206 1-161-330-00 CERAMIC 0.01MF 30% 25V C207 1-161-330-00 CERAMIC 0.01MF 30% 25V M201 1-541-218-00 MOTOR	
C208 1-161-330-00 CERAMIC 0.01MF 30% 25V PL101 1-518-340-91 LAMP, PILOT C211 1-161-494-00 CERAMIC 0.022MF 30% 25V C212 1-123-611-00 ELECT 1MF 20% 50V PM201 1-454-344-00 SOLENOID, PLUNGER C213 1-123-356-00 ELECT 10MF 20% 16V	

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>S-LX500/500C

ELECTRICAL PARTS

ELECTRICAL PARTS

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description			
Q101 Q102 Q103	8-729-180-93 8-729-180-93 8-729-173-13	TRANSISTOR 2SD809 TRANSISTOR 2SD809 TRANSISTOR 2SB731	R115 R116 R117	1-246-473-00 1-246-473-00 1-246-473-00	CARBON	1K 1K 1K	5% 5% 5%	1/4W 1/4W 1/4W
Q104 Q105 Q106	8-729-180-93 8-729-173-13 8-729-103-43	TRANSISTOR 2SD809 TRANSISTOR 2SB731 TRANSISTOR 2SB734	R118 R119 R120	1-246-529-00 1-246-529-00 1-246-545-00	C ARB ON C ARB ON C ARB ON	220K 220K 1M	5% 5% 5%	1/4W 1/4W 1/4W
Q107 Q108 Q201	8-729-663-47 8-729-602-67 8-729-612-77	TRANSISTOR 2SC1364 TRANSISTOR 2SA1026-7 TRANSISTOR 2SA1027R	R121 R122 R123	1-246-545-00 1-246-529-00 1-246-529-00	C ARB ON C ARB ON C ARB ON	1M 220K 220K	5% 5% 5%	1/4W 1/4W 1/4W
Q202 Q203 Q204	8-729-612-77 8-729-663-47 8-729-902-11	TRANSISTOR 2SA1027R TRANSISTOR 2SC1364 TRANSISTOR 2SC2021	R124 R125 R126	1-246-457-00 1-246-457-00 1-246-457-00	C ARB ON	220 220 220	5% 5% 5%	1/4W 1/4W 1/4W
Q205 Q206 Q207	8-729-993-72 8-729-663-47 8-729-663-47	TRANSISTOR 2SA937 TRANSISTOR 2SC1364 TRANSISTOR 2SC1364	R127 R128	1-246-457-00 1-246-461-00	C ARB ON C ARB ON	220 330	5% 5%	1/4W 1/4W
Q208 Q209	8-729-900-33 8-729-802-22	· · · · · · · · · · · · · · · · · · ·	R129 A R129 A	.:1-217-393-00	(AEP,UK)SO (US,Canadian,	£)r	OZÍRFF	
Q210 Q211	8-729-663-47 8-729-802-22	TRANSISTOR 2SC1364 TRANSISTOR 2SB1014-2	R130 R131 R132	1-246-471-00 1-244-865-00 1-246-461-00	CARBON	820 470 330	5% 5% 5%	1/4W 1/2W 1/4W
Q212 Q213	8-729-900-33 8-729-180-93	TRANSISTOR DTC144FF TRANSISTOR 2SD809	R133 A	1.1-202-854-21 1.1-217-389-00	(AEP,UK)SC (US,Canadian,	LID E)F	10 USIBLE	1/4W 15-5% 1/4W F
Q214 Q215 Q216	8-729-173-13 8-729-902-11 8-729-663-47	TRANSISTOR 2SB731 TRANSISTOR 2SC2021 TRANSISTOR 2SC1364	R134 R135 R136	1-246-471-00 1-246-497-00 1-246-497-00	CARBON CARBON	820 10K 10K	5% 5% 5%	1/4W 1/4W 1/4W
Q217 Q218 Q219	8-729-663-47 8-729-663-47 8-729-663-47	TRANSISTOR 2SC1364 TRANSISTOR 2SC1364 TRANSISTOR 2SC1364	R137 [R138 A	1-246-485-00 1-202-851-21 1-247-855-00	(AEP,UK)SC	3.3K DLID 10K	5% 3.3 5%	1/4W 1/4W 1/6W
Q220 Q221 Q222	8-729-900-33 8-729-902-11 8-729-900-33	TRANSISTOR DTC144FF TRANSISTOR 2SC2021 TRANSISTOR DTC144FF	R202 R203 R204	1-246-505-00 1-247-855-00 1-247-855-00	CARBON	22K 10K 10K	5% 5% 5%	1/4W 1/6W 1/6W
Q301 Q302 Q401 Q501	8-729-101-01 8-729-101-01 8-719-907-32 8-719-411-28	TRANSISTOR PH101 TRANSISTOR PH101 DIODE GP-1L04 DIODE ON1128	R205 R206 R207	1-247-847-00 1-247-855-00 1-247-903-00	CARBON	4.7K 10K 1M	5% 5% 5%	1/6W 1/6W 1/6W
R101 R102 R103	1-246-449-00 1-247-887-00 1-246-545-00	CARBON 220K 5% 1/6W	R208 R209 R210	1-246-473-00 1-246-473-00 1-246-467-00	C ARB ON	1K 1K 560	5% 5% 5%	1/4W 1/4W 1/4W
R104 R105 R106	1-247-489-00 1-214-780-00 1-214-767-00	METAL 130K 1% 1/4W	R211 R212 R213	1-247-867-00 1-246-497-00 1-246-517-00	CARBON	33K 10K 68K	5% 5% 5%	1/6W 1/4W 1/4W
R107 R108 R109	1-247-867-00 1-247-867-00 1-246-489-00	CARBON 33K 5% 1/6W	R214 R215 R216	1-246-467-00 1-246-467-00 1-246-460-00	CARBON	560 560 300	5% 5% 5%	1/4W 1/4W 1/4W
R110 R111 R114	1-246-489-00 1-246-473-00 1-246-473-00	CARBON 1K 5% 1/4W	R217 R218 R219	1-247-855-00 1-246-497-00 1-246-497-00	CARBON	10K 10K 10K	5% 5% 5%	1/6W 1/4W 1/4W

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R220 R221 R222	1-246-497-00 1-246-497-00 1-214-787-00	CARB ON	10K 10K 270K	5% 5% 1%	1/4W 1/4W 1/4W	R272 R273 R274	1-247-867-00 1-247-879-00 1-247-847-00	C ARB ON	33K 100K 4.7K	5% 5% 5%	1/6W 1/6W 1/6W
R223 R224 R225	1-214-787-00 1-246-533-00 1-247-891-00	CARB ON	270K 330K 330K	1% 5% 5%	1/4W 1/4W 1/6W	R275 R276 R277	1-246-503-00 1-247-871-00 1-247-887-00	C ARB ON	18K 47K 220K	5% 5% 5%	1/4W 1/6W 1/6W
R 226 R 227 R 228	1-247-855-00 1-246-497-00 1-214-785-00		10K 10K 220K	5% 5% 1%	1/6W 1/4W 1/4W	R278 R280 R281	1-247-847-00 1-247-879-00 1-247-855-00	CARBON	4.7K 100K 10K	5% 5% 5%	1/6W 1/6W 1/6W
R229 R230 R233	1-247-815-00 1-247-815-00 1-247-879-00	CARBON CARBON CARBON	220 220 100K	5% 5% 5%	1/6W 1/6W 1/6W	R282 R283 R284	1-247-847-00 1-247-887-00 1-246-529-00	CARBON	4.7K 220K 220K	5% 5% 5%	1/6W 1/6W 1/4W
R234 R235 R238	1-247-867-00 1-247-817-00 1-246-497-00	C ARB ON C ARB ON C ARB ON	33K 270 10K	5% 5% 5%	1/6W 1/6W 1/4W	R285 R286 R287	1-246-490-00 1-247-839-00 1-247-855-00	CARBON CARBON CARBON	5.1K 2.2K 10K	5% 5% 5%	1/4W 1/6W 1/6W
R239 R242 R243	1-246-497-00 1-247-855-00 1-247-855-00	C ARB ON C ARB ON C ARB ON	10K 10K 10K	5% 5% 5%	1/4W 1/6W 1/6W	R288 R289 R290	1-247-867-00 1-247-831-00 1-247-831-00	CARBON	33K 1K 1K	5% 5% 5%	1/6W 1/6W 1/6W
R244 R245 R246	1-246-509-00 1-247-855-00 1-247-855-00	CARB ON	33K 10K 10K	5% 5% 5%	1/4W 1/6W 1/6W	R291 R292 R293	1-247-867-00 1-247-867-00 1-247-867-00	C ARB ON C ARB ON C ARB ON	33K 33K 33K	5% 5% 5%	1/6W 1/6W 1/6W
R247 R248 R249	1-247-855-00 1-206-654-00 1-247-867-00	METAL OXIDE	10K 390 33K	5% 5% 5%	1/6W 2W F 1/6W		1-228-238-00 1-226-237-00 1-226-234-00	RES, ADJ, CAR	BON 20	K	
R250 R251 R252	1-247-867-00 1-246-449-00 1-246-493-00	CARB ON	33K 100 6.8K	5% 5% 5%	1/6W 1/4W 1/4W		1-226-234-00 1-226-235-00 1-226-235-00	RES, ADJ, CAR	BON 5K		
R253 R254 R255	1-246-473-00 1-246-473-00 1-246-473-00	CARB ON	1K 1K 1K	5% 5% 5%	1/4W 1/4W 1/4W	RY201 \$201 \$202	1-515-495-00 1-553-976-00 1-553-976-00	RELAY SWITCH, PUSH SWITCH, PUSH	(SPEED (REPEA)	
R256 R257 R258	1-247-855-00 1-246-497-00 1-246-497-00	CARBON	10K 10K 10K	5% 5% 5%	1/6W 1/4W 1/4W	\$203 \$204 \$205	1-553-976-00 1-553-976-00 1-553-976-00	SWITCH, PUSH SWITCH, PUSH SWITCH, PUSH	(START (ARM T	(STOP) RANSPO RANSPO	
R259 R260 R261	1-246-521-00 1-246-521-00 1-246-521-00	CARBON	100K 100K 100K	5% 5% 5%	1/4W 1/4W 1/4W	\$206 \$207 \$901	1-553-976-00 1-554-323-00 1-553-331-21	SWITCH, PUSH SWITCH, (ARM SWITCH, PUSH	(ARM L POSITION	.IFTER) N DET.)	
R 262 R 263 R 264	1-247-863-00 1-247-863-00 1-247-863-00	CARB ON	22K 22K 22K	5% 5% 5%	1/6W 1/6W 1/6W	\$902 <u>/</u> 1901. /	.1-552-535-00 .1-447-515-00 .1-447-516-00	(E)POWER/V	ÖLTAG TRA TRA	CHANGE NSFORM NSFORM	ER, POWER
R265 R266 R267	1-246-505-00 1-246-505-00 1-247-855-00	CARBON	22K 22K 10K	5% 5% 5%	1/4W 1/4W 1/6W		.1-447-517-21	OSCILLATOR, C	TRA	NSFORM	ER, POWER
R268 R270 R271	1-246-497-00 1-246-497-00 1-246-497-00	CARBON	10K 10K 10K	5% 5% 5%	1/4W 1/4W 1/4W						

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